

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently amended): A soft magnetic material used to make powder magnetic cores comprising:

a plurality of composite magnetic particles ~~(30)~~ formed from a metal magnetic particle ~~(10)~~ and an insulative coating ~~(20)~~ surrounding a surface of said metal magnetic particle ~~(10)~~ and containing metallic salt phosphate and/or oxide; ~~and~~ as well as

a lubricant formed as fine particles added at a proportion of at least 0.001 percent by mass and no more than 0.1 percent by mass relative to said plurality of composite magnetic particles ~~(30)~~


said lubricant formed as fine particles having a mean particle diameter of no more than 2.0 microns.

Claim 2 (Canceled)

Claim 3 (Original): A soft magnetic material according to claim 1 wherein said lubricant formed as fine particles includes a metallic soap and/or an inorganic lubricant with a hexagonal crystal structure.


Claim 4 (Currently amended): A soft magnetic material according to claim 1 wherein a proportion of said lubricant formed as fine particles relative to said plurality of composite magnetic particles ~~(30)~~ is at least 0.001 percent by mass and no more than 0.025 percent by mass.

Claim 5 (Currently amended): A soft magnetic material according to claim 1 further comprising a thermoplastic resin interposed between said plurality of composite magnetic particles ~~(30)~~ at a proportion of at least 0.001 percent by mass and no more than 0.1 percent by mass relative to said plurality of composite magnetic particles ~~(30)~~.

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Claim 6 (Original): A powder magnetic core made using a soft magnetic material according to claim 1.

Claim 7 (Original): A powder magnetic core according to claim 6 wherein a fill rate (density) is at least 95 percent.

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